

CLAIMS

1. A process for clarifying water containing suspended solids comprising:

5 solids;

(a) providing a quantity of contaminated water containing suspended

(b) pumping the contaminated water into a reactor;

(c) injecting flocculating chemicals into the contaminated water into the reactor, thereby separating the contaminated water into grey water and flocculated mass;

10 (d) separating the flocculated mass and the grey water; and

(e) deodorizing the grey water.

2. The process according to claim 1 wherein the suspended solids comprise waste from a livestock barn.

3. The process according to claim 1 including injecting pH-
15 altering chemicals.

4. The process according to claim 3 wherein the pH-altering chemicals are selected from the group consisting of aluminum salt, lime, soda ash and combinations thereof.

5. The process according to claim 1 wherein the grey water is
20 deodorized by passing the grey water through a bed of a clay substrate impregnated with oxides of iron.

6. The process according to claim 2 wherein a catalyst is applied to the waste.

7. The process according to claim 1 wherein the contaminated water is raw sewage.

8. The process according to claim 1 wherein the contaminated water is drilling fluid.

5 9. The process according to claim 1 wherein the contaminated water containing suspended solids is screened to remove undissolved solids prior to step (b).